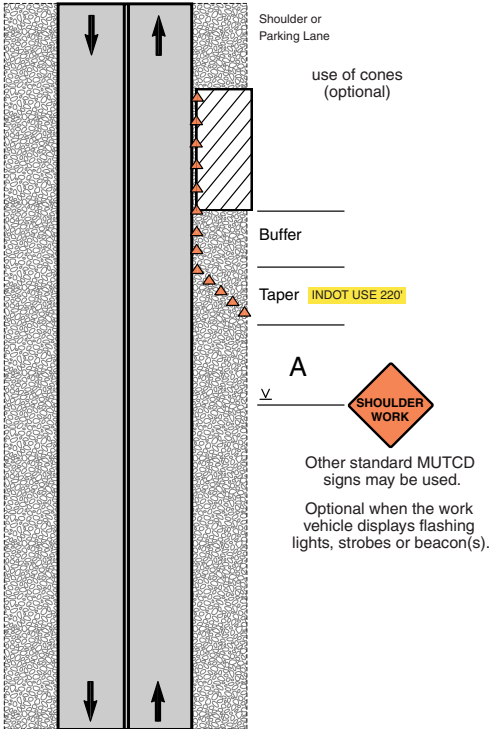


**Short Duration**  
*(up to 1 hour)*

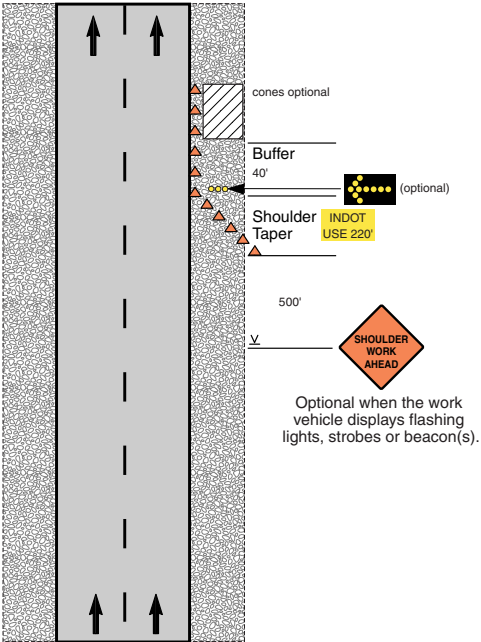
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# **Work on Shoulder or Parking Lane** *(Short Duration – up to 1 hour)*



Speed Limit (mph)	Spacing A (ft)	Sign Buffer (ft)
25	200	55
30	200	85
35	350	120
40	350	170
45	500	220
50	500	280
55	500	335

## Shoulder Closed on Divided Roadway (Short Duration – up to 1 hour)

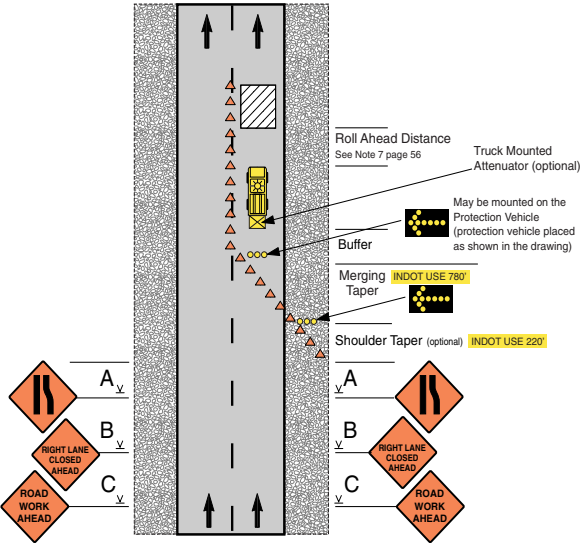


### Notes:

1. Use of an arrow display is optional. If used, it shall be operated in the caution mode.

# Lane Closure on Divided Roadway or One Way Street

(Short Duration – up to 1 hour)

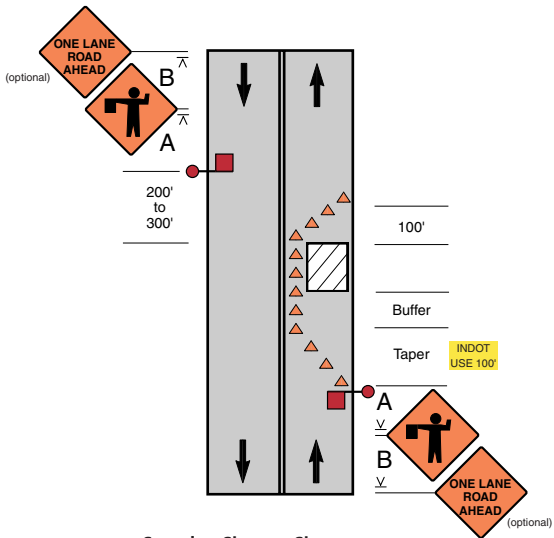


## Notes:

- When a side road intersects the roadway within the work zone, additional devices shall be erected to channelize traffic to/from the side road, and a ROAD WORK AHEAD sign shall be placed on each side road approach.

Speed Limit (mph)	Sign Spacing (ft)			Buffer (ft)
	A	B	C	
30	200	200	200	85
35	350	350	350	120
40	350	350	350	170
45	500	500	500	220
50	1000	1600	2600	280
55	1000	1600	2600	335
60	1000	1600	2600	415
65	1000	1600	2600	485

## Lane Closure on a Two-Lane Road (Two Flagger Operation) (Short Duration – up to 1 hour)

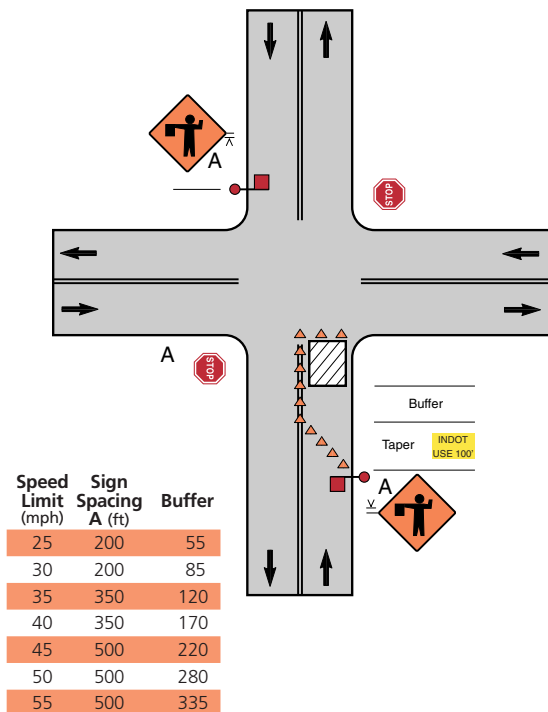


Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)	Buffer (ft)
25	200	200	55
30	200	200	85
35	350	350	120
40	350	350	170
45	500	500	220
50	500	500	280
55	500	500	335

### Notes:

1. The flagger or flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 68.
2. If there is a side road intersection within the work area, additional traffic control, such as flaggers and appropriate signage, may be needed on the side road approaches.
3. Whenever a flagger is present, a FLAGGER AHEAD sign shall be used.

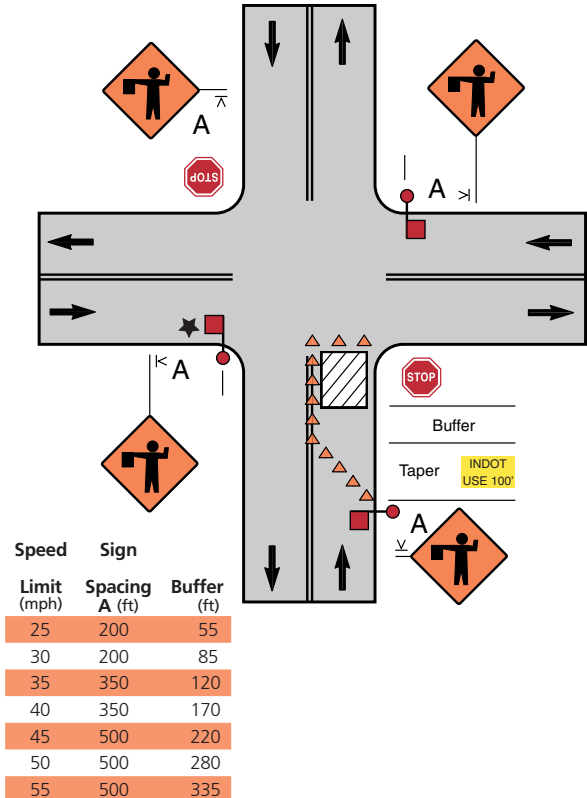
## Lane Closure in Advance of an Intersection (Work Area on the Through Road) (Short Duration – up to 1 hour)



### Notes:

1. Depending on traffic conditions, additional traffic control, such as flaggers and appropriate signage, may be needed on the side road approaches.
2. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 68.
3. Whenever a flagger is present, a FLAGGER AHEAD sign shall be used.

## Lane Closure in Advance of an Intersection (Work Area on the Side Road) (Short Duration – up to 1 hour)



### Notes:

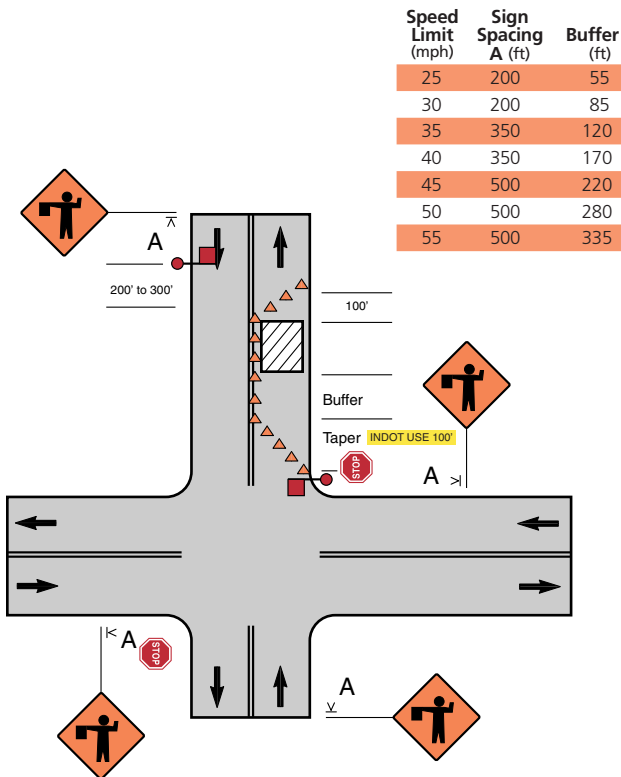
- Depending on traffic conditions, additional traffic control, such as flaggers and appropriate signage, may be needed.
- ★ The middle flagger has the best view of traffic from all directions. This flagger should be designated **lead flagger** and should coordinate the actions of the other flaggers.
- The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 68.



# Lane Closure Beyond an Intersection

(Work Area on the Through Road)

(Short Duration – up to 1 hour)

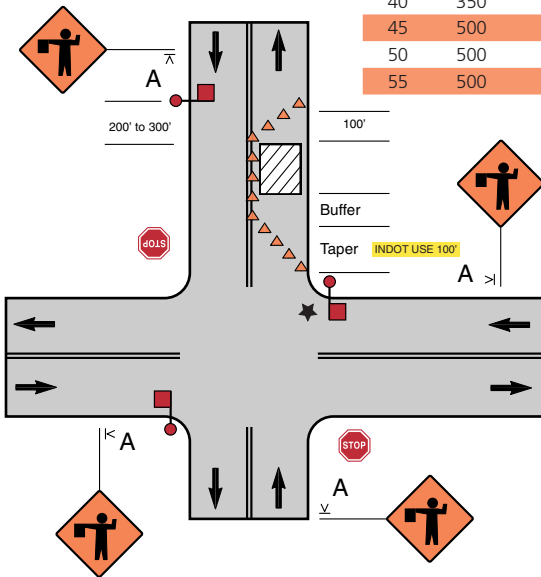


## Notes:

1. Depending on traffic conditions, additional traffic control, such as flaggers and appropriate signage, may be needed.
2. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 68.
3. When there is insufficient space the Taper and Buffer are not used.

## Lane Closure Beyond an Intersection (Work Area on the Side Road) (Short Duration – up to 1 hour)

Speed Limit (mph)	Sign Spacing A (ft)	Buffer (ft)
25	200	55
30	200	85
35	350	120
40	350	170
45	500	220
50	500	280
55	500	335

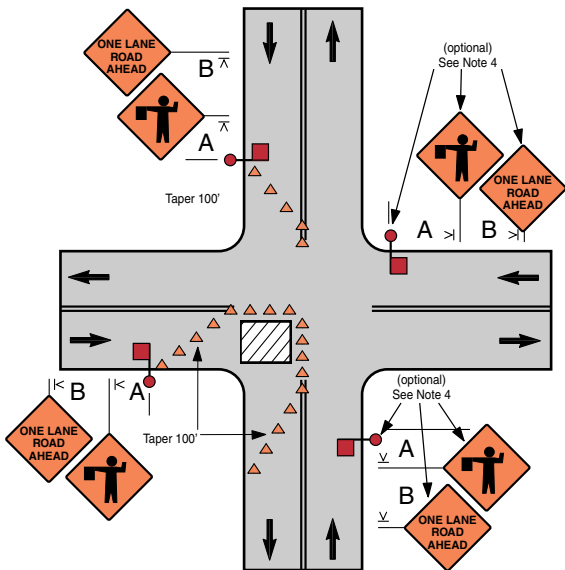


### Notes:

1. Depending on traffic conditions, additional traffic control, such as flaggers and appropriate signage, may be needed.
- ★ 2. The middle flagger should be designated **lead flagger** and should coordinate the actions of the other flaggers.
3. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 68.
4. When there is insufficient space the Taper and Buffer are not used.

## Lane Closure at Side of Intersection

(Short Duration – up to 1 hour)

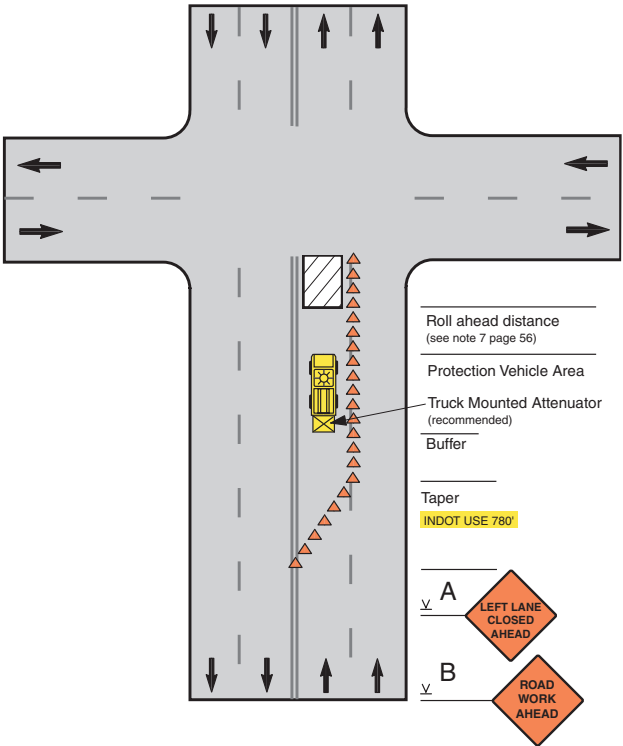


### Notes:

- For high traffic volumes or when a four-lane street is involved additional flaggers or law enforcement personnel may be used.
- The situation depicted can be simplified by closing one or more of the intersection approaches. If this can not be done, and/or when capacity is a problem, consideration should be given to diverting through traffic to other roads or streets.
- Flashing warning lights and/or flags may be used to call attention to the advanced warning signs.
- Flaggers and signs for these approaches are optional. If the length of the closure and/or traffic warrant, additional flaggers and the appropriate signs should be used.
- Cone taper at top of page is optional for stop sign or signalized approaches.

Speed Limit (mph)	Sign Spacing A, B (ft)	Buffer (ft)
25	200	55
30	200	85
35	350	120
40	350	170
45	500	220
50	500	280
55	500	335

## Lane Closure at a Signalized Intersection (Short Duration – up to 1 hour)



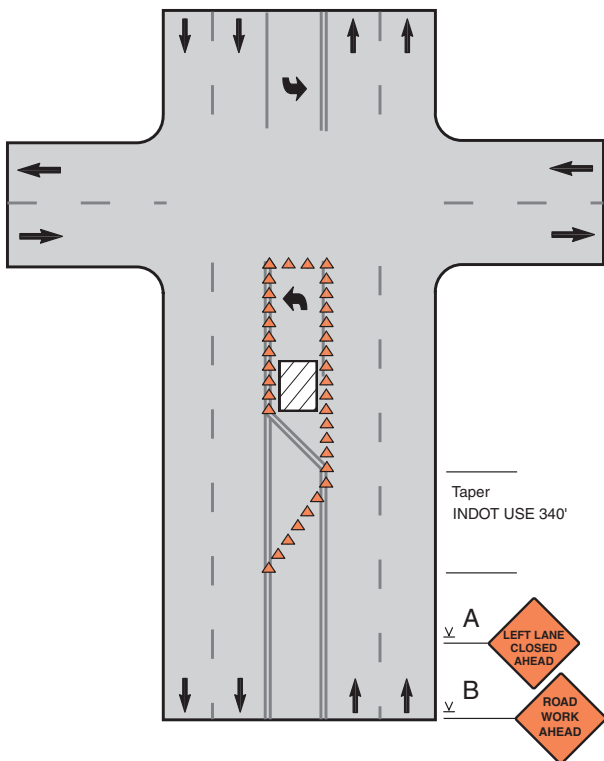
### Notes:

1. Protection vehicle is optional if speed limit is less than or equal to 35mph, but a flagger with a flag should be stationed inside cone taper to slow oncoming traffic.
2. If working on far side of intersection, see page 42.
3. The length of tapers may be adjusted when used in close proximity to crossroads, curves, or other influencing factors.

Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)	Buffer (ft)
25	200	200	55
30	200	200	85
35	350	350	120
40	350	350	170
45	500	500	220
50	500	500	280
55	500	500	335

## Turn Lane Closure at a Signalized Intersection

*(Short Duration – up to 1 hour)*



### Notes:

1. Lane may be opened beyond work area.
2. The length of the tapers may be adjusted when used in close proximity to crossroads, curves, or other influencing factors.

Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)
25	200	200
30	200	200
35	350	350
40	350	350
45	500	500
50	500	500
55	500	500

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